Panasonic



47-inch Weatherproof LCD Display

TH-47LFP30W

Product specification (design and specification subject to change without notice)

■DISPLAY PANEL

Screen Size (Diagonal)	47-inch (1192 mm)
Aspect ratio	16:9
Effective Display Area (W x H)	1039 x 584 mm
Number of pixels (H x V)	1920 x 1080 pixels
Brightness (in dark room)	750 cd/㎡ (Typ)
(in daylight*1)	1000 cd/㎡ (Max)
Contrast Ratio	1000:1
Response Time	9 ms (G to G)
Viewing Angle (Horizontal/Vertical)	178°/178°
Operating Life	approx. 50,000 hours*2

*1 Measured under ambient lighting of approximately 80,000 lx. LFP30 series are not allwoed to be installed with facing direct sunlight on the panel.
*2 An approximate time until the panel brightness decreases to half of its original value.

■CONNECTION TERMINAL

VIDEO IN	BNC x 1	1.0 Vp-p (75Ω)
AUDIO IN(L/R)	RCA Pin jack x 1 set	0.5 Vrms
COMPONENT/RGB IN	BNC x 3	G/Y : with sync 1.0 Vp-p (75Ω) B/P$_B$/C$_B$: 0.7 Vp-p (75Ω) R/P$_R$/C$_R$: 0.7 Vp-p (75Ω)
AUDIO IN(L/R)	RCA Pin jack x 1 set	0.5 Vrms
HDMI IN	HDMI TYPE A x 2	
DVI-D IN	DVI-D 24pin x 1 Content Protection	Compliance with DVI Revision 1.0 Compatible with HDCP 1.1
AUDIO IN(L/R)	Stereo mini jack (M3) × 1	0.5 Vrms (Shared with PC IN)
PC IN	Mini D-sub 15 Pin	G : with sync 1.0 Vp-p (75Ω) : without sync 0.7 Vp-p (75Ω) B : 0.7 Vp-p (75Ω) R : 0.7 Vp-p (75Ω) HD/VD : 1.0 - 5.0 Vp-p (high impedance)
AUDIO IN(L/R)	Stereo mini jack (M3) × 1	0.5 Vrms (Shared with DVI-D IN)
SERIAL	D-sub 9 Pin x 1 (EXTERNAL CONTROL TERMINAL), RS-232C compatible	

■ELECTRICAL

	For USA, Canada and Mexico	For Europe and Asia
Power Requirements	110-127V AC, 50Hz/60Hz	220-240V AC, 50Hz/60Hz
Rated Power Consumption	300W	290W
On Mode Average Power Consumption*3	approx. 210W	approx. 200W
Power off condition	0.1W	0.2W
Stand-by condition (Winter mode : Off)	Save on 0.1W, Save off 0.2W	Save on 0.2W, Save off 0.3W
(Winter mode : On)	Backlight On 100 W, Backlight Off 40 W	Backlight On 100 W, Backlight Off 40 W

*3 Based on IEC 62087 Ed.2 measurement method.

■AUDIO

Speaker out	8Ω, 10W [5W + 5W] (10%THD)

■MECHANICAL

Dimensions (W x H x D)	1162 x 706 x 158 mm
Carton Dimensions (W x H x D)	1312 x 809 x 305 mm
Weight	approx. 45.0 kg
Gross weight	approx. 54.0 kg
Bezel Width	32 mm
Cabinet Material / Color	Aluminum / Silver
VESA mount	VESA 400 x 400 mm

■ENVIRONMENTAL

Operating environment	Temperature : 0℃ to 40℃, -20℃ to 40℃ (Winter Mode) Humidity : 20% to 90%
Storage environment	Temperature : -20℃ to 60℃ Humidity : 10% to 90%

■REMOTE CONTROL TRANSMITTER

Power Requirements	DC 3V (2 x R6 (UM3) Size batteries)
Weight	approx. 100g including batteries

■INCLUDED ACCESSORIES

- Operating instruction book - CD-ROM (operating instruction) - Remote control transmitter - Batteries - Power supply cord

MAIN FEATURE

Digital Zoom	Yes (x1~x4)
Video Wall	Yes (N x M, up to 5 x 5)
Power-on Screen Delay	Yes
Seam Hides Video Off Mode	Yes
1:1 Pixel mode	Yes
Automatic Picture Position	Yes
Screen Saver	Yes
Standby Save	Yes
PC Power Management	Yes
ECO	On/Off/Sensor
Input lock	Yes
Button lock	Yes
Remote-control User Level	Yes
Winter Mode	Yes
Failover input	Yes
Orientation	Landscape / Portrait

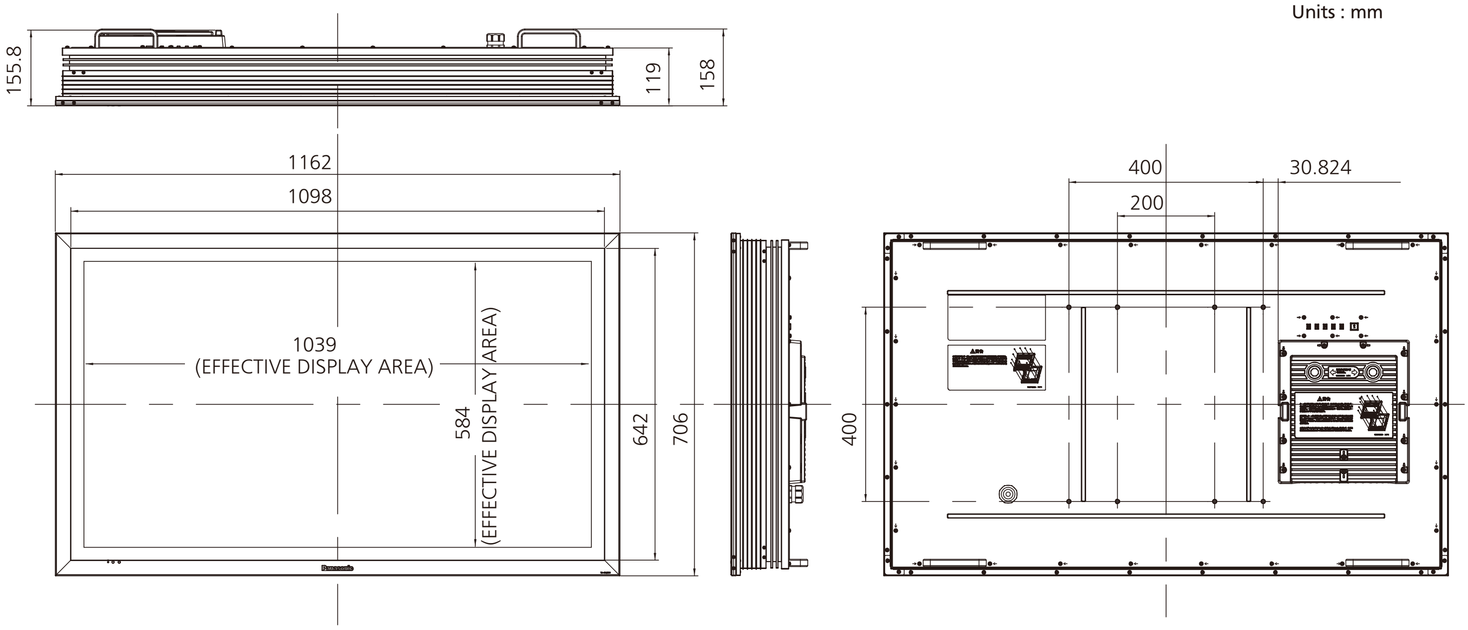
STANDARD (CERTIFICATIONS)

IP (Ingress Protection) Rating		IP66
SAFETY REGULATIONS		
	Americas	UL60950-1 Ed.2, -22, CAN/CSA-C22.2 NO. 60950-1-07 -22-07, NOM
	Europe	EN60950-1, IEC60950-1,-22 GOST
	Asia	AS / NZS60950, SASO, IEC60950 / SS, IEC60950 / PAI, IEC60950
RADIATION REGULATIONS		
	Americas	FCC Part 15 Class-B, ICES-003
	Europe	EN55022 Class-B, EN55024, EN61000-3-2, EN61000-3-3
	Asia	CISPR22 Class-B

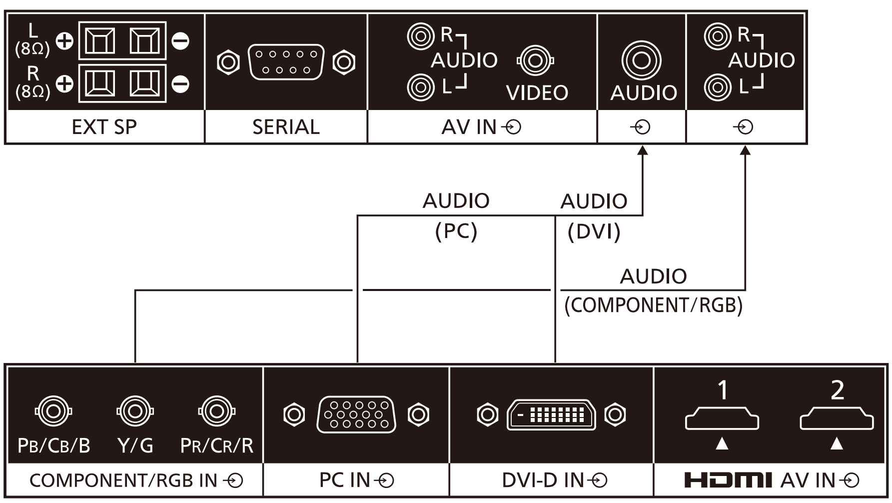
DIMENSIONS

Cautions: This drawing is not a scale

Units : mm



CONNECTION TERMINAL



APPLICABLE INPUT SIGNALS

	Signal name	Horizontal frequency (kHz)	Vertical frequency (kHz)	VIDEO S-VIDEO	COMPONENT IN (Dotclock(MHz))	RGB IN (Dotclock(MHz))	PC IN (Dotclock(MHz))	DVI-D IN (Dotclock(MHz))	HDMI1 HDMI2
Video Signals	NTSC	15.73	59.94	Y					
	PAL	15.63	50.00	Y					
	PAL60	15.73	59.94	Y					
	SECAM	15.63	50.00	Y					
	NTSC 4. 43	15.73	59.94	Y					
	PAL M	15.73	59.94	Y					
	PAL N	15.63	50.00	Y					
Component Signals	525(480)/60i	15.73	59.94		Y (13.5)			Y (27.0)	Y
	525(480)/60p	31.47	59.94		Y (27.0)			Y (27.0)	Y
	625(575)/50i	15.63	50.00		Y (13.5)				
	625(576)/50i	15.63	50.00					Y (27.0)	Y
	625(575)/50p	31.25	50.00		Y (27.0)				Y
	625(576)/50p	31.25	50.00					Y (27.0)	Y
	750(720)/60p	45.00	60.00		Y (74.25)			Y (74.25)	Y
	750(720)/50p	37.50	50.00		Y (74.25)			Y (74.25)	Y
	1125(1080)/60p	67.50	60.00		Y (148.5)*1			Y (148.5)	Y
	1125(1080)/60i	33.75	60.00		Y (74.25)*1			Y (74.25)	Y
	1125(1080)/50p	56.25	50.00		Y (148.5)*1			Y (148.5)	Y
	1125(1080)/50i	28.13	50.00		Y (74.25)*1			Y (74.25)	Y
	1125(1080)/24sF	27.00	48.00		Y (74.25)*2				
	1125(1080)/30p	33.75	30.00		Y (74.25)*1			Y (74.25)	Y
	1125(1080)/25p	28.13	25.00		Y (74.25)*1			Y (74.25)	Y
	1125(1080)/24p	27.00	24.00		Y (74.25)*1			Y (74.25)	Y
PC Signals	640x400@70Hz	31.46	70.07			Y (25.17)	Y (25.17)	Y (25.17)	
	640x400@85Hz	37.86	85.08			Y (31.5)	Y (31.5)	Y (31.5)	
	640x480@60Hz	31.43	59.88			Y (25.15)	Y (25.15)	Y (25.15)	
	640x480@60Hz	31.47	59.94			Y (25.18)	Y (25.18)	Y (25.18)	Y
	640x480@67Hz	35.00	66.67			Y (30.24)	Y (30.24)	Y (30.24)	
	640x480@72Hz	37.86	72.81			Y (31.5)	Y (31.5)	Y (31.5)	
	640x480@75Hz	37.50	75.00			Y (31.5)	Y (31.5)	Y (31.5)	
	640x480@85Hz	43.27	85.01			Y (36.0)	Y (36.0)	Y (36.0)	
	720x400@70Hz	31.47	70.08			Y (28.32)	Y (28.32)	Y (28.32)	
	800x600@55Hz	34.50	55.38			Y (35.33)	Y (35.33)	Y (35.33)	
	800x600@56Hz	35.16	56.25			Y (36.0)	Y (36.0)	Y (36.0)	
	800x600@60Hz	37.88	60.32			Y (40.0)	Y (40.0)	Y (40.0)	Y
	800x600@60Hz	38.00	60.51			Y (40.13)	Y (40.13)	Y (40.13)	
	800x600@72Hz	48.08	72.19			Y (50.0)	Y (50.0)	Y (50.0)	
	800x600@75Hz	46.88	75.00			Y (49.5)	Y (49.5)	Y (49.5)	
	800x600@85Hz	53.67	85.06			Y (56.25)	Y (56.25)	Y (56.25)	
	852x480@60Hz	31.47	59.94			Y (33.54)	Y (33.54)	Y (34.24)	
	1024x768@50Hz	39.55	50.00			Y (51.89)	Y (51.89)	Y (51.89)	
	1024x768@60Hz	48.36	60.00			Y (65.0)	Y (65.0)	Y (65.0)	Y
	1024x768@60Hz	48.50	60.02			Y (64.99)	Y (64.99)	Y (65.18)	
	1024x768@70Hz	56.48	70.07			Y (75.0)	Y (75.0)	Y (75.0)	
	1024x768@75Hz	60.24	74.93			Y (80.0)	Y (80.0)	Y (80.0)	
	1024x768@75Hz	60.02	75.03			Y (78.75)	Y (78.75)	Y (78.75)	
	1024x768@75Hz	61.01	75.70			Y (80.05)	Y (80.05)	Y (81.0)	
	1024x768@85Hz	68.68	85.00			Y (94.5)	Y (94.5)	Y (94.5)	
	1024x768@120Hz	97.55	119.99				Y (115.5)	Y (115.5)	
	1066x600@60Hz	37.64	59.94			Y (53.0)	Y (53.0)	Y (53.0)	
	1152x864@60Hz	53.70	60.00			Y (81.62)	Y (81.62)	Y (81.62)	
	1152x864@75Hz	67.50	75.00			Y (108.0)	Y (108.0)	Y (108.0)	
	1152x900@65Hz	61.20	65.20			Y (92.0)	Y (92.0)	Y (92.0)	
	1152x900@66Hz	61.85	66.00			Y (94.5)	Y (94.5)	Y (94.5)	
	1152x900@75Hz	71.40	75.60			Y (105.1)	Y (105.1)	Y (105.1)	
	1280x768@60Hz	47.78	59.87			Y (79.50)	Y (79.50)	Y (79.50)	
	1280x800@50Hz	41.20	50.00			Y (68.55)	Y (68.55)	Y (68.55)	
	1280x960@60Hz	60.00	60.00			Y (108.0)	Y (108.0)	Y (108.0)	
	1280x960@85Hz	85.94	85.00			Y (148.5)	Y (148.5)	Y (148.5)	
	1280x1024@50Hz	52.70	50.00			Y (89.38)	Y (89.38)	Y (89.38)	
	1280x1024@60Hz	63.34	59.98			Y (108.18)	Y (108.18)	Y (108.18)	
	1280x1024@60Hz	63.90	60.00			Y (107.35)	Y (107.35)	Y (107.35)	
	1280x1024@60Hz	63.37	60.01			Y (107.5)	Y (107.5)	Y (107.5)	
	1280x1024@60Hz	63.74	60.02			Y (108.1)	Y (108.1)	Y (108.1)	
	1280x1024@60Hz	63.98	60.02			Y (108.0)	Y (108.0)	Y (108.0)	Y
	1280x1024@60Hz	63.79	60.18			Y (108.19)	Y (108.19)	Y (108.19)	
	1280x1024@66Hz	70.66	66.47			Y (119.84)	Y (119.84)	Y (119.84)	
	1280x1024@75Hz	79.98	75.02			Y (135.0)	Y (135.0)	Y (135.0)	
	1280x1024@76Hz	81.13	76.11			Y (135.0)	Y (135.0)	Y (135.0)	
	1280x1024@85Hz	91.15	85.02				Y (157.5)	Y (157.5)	
	1360x768@60Hz	47.71	60.02			Y (85.5)	Y (85.5)	Y (85.5)	
	1366x768@50Hz	39.55	50.00			Y (69.92)	Y (69.92)	Y (69.92)	
	1366x768@60Hz	48.36	60.00			Y (86.71)	Y (86.71)	Y (87.44)	
	1400x1050@60Hz	65.12	59.91			Y (121.38)	Y (121.38)	Y (122.43)	
	1400x1050@60Hz	65.32	59.98			Y (121.75)	Y (121.75)	Y (121.75)	
	1400x1050@60Hz	65.35	60.12			Y (121.81)	Y (121.81)	Y (121.85)	
	1400x1050@75Hz	82.28	74.87			Y (156.0)	Y (156.0)	Y (156.0)	
	1600x1200@60Hz	75.00	60.00			Y (162.0)	Y (162.0)	Y (162.0)	
	1920x1080@60Hz	67.50	60.00			Y (148.5)	Y (148.5)	Y (148.5)	
	1920x1200@60Hz	74.04	59.95				Y (154.0)	Y (154.0)	
	Macintosh13"(640x480)	35.00	66.67			Y (30.24)	Y (30.24)	Y (30.24)	
	MacintoshLC13"(640x480)	34.97	66.60			Y (31.33)	Y (31.33)	Y (31.33)	
	Macintosh16"(832x624)	49.72	74.55			Y (57.28)	Y (57.28)	Y (57.28)	
	Macintosh19"(1024x768)	60.24	75.08			Y (80.0)	Y (80.0)	Y (80.0)	
	Macintosh21"(1152x870)	68.68	75.06			Y (100.0)	Y (100.0)	Y (100.0)	
	Macintosh II(1280x1024)	80.00	75.00			Y (134.4)	Y (134.4)	Y (135.2)	

*1:Based on SMPTE 274M standard.
*2:Based on SMPTE RP211 standard.